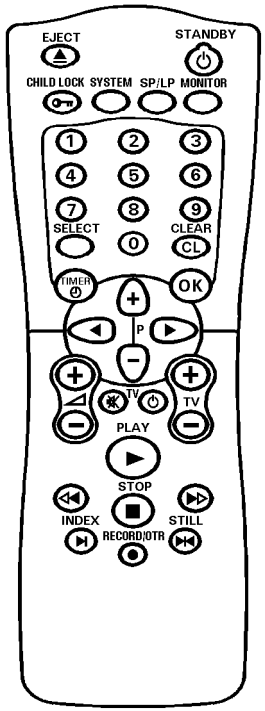
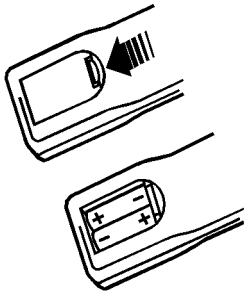
OPERATING INSTRUCTIONS IN BRIEF

The remote control





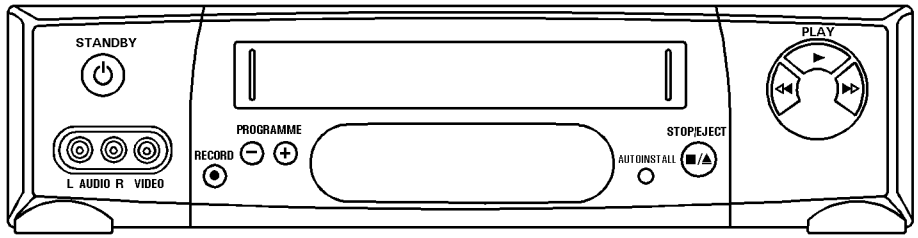
EJECT ▲ Eject
STANDBY ⏻ Standby
CHILD LOCK 🔑 Child lock
SYSTEM Special function
SP/LP SP/LP selection
MONITOR TV monitor function
0-9 Digit buttons 0-9
SELECT Function selector
CLEAR (CL) Reset, clear
TIMER ⏲ 'VIDEOPlus' / 'TIMER' programming
OK Confirm button
P + Up/number plus
◀ Menu left
▶ Menu right
P − Down/number minus
PLAY ▶ Playback
◁◀ Rewind/Reverse scanning
STOP ■ Pause/Stop, Tuner-mode
▶▷ Forward wind/ Forward scanning
INDEX ▶| Index search
RECORD/OTR ● Record
STILL ▶|◀ Still picture

Additional TV functions:

◿ + TV volume +
◿ − TV volume -
TV 🔇 TV sound off
TV ⏻ Switch off TV
TV + Programme number +
TV − Programme number -

Front of the video recorder

STANDBY ⏻ Standby
AUDIO L Audio input, left channel
AUDIO R Audio input, right channel
VIDEO Video input socket
RECORD ● Record
PROGRAMME − Down/number minus
PROGRAMME + Up/number plus
AUTOINSTALL Installation button
STOP/EJECT ■/▲ Stop/Cassette eject
◁◀ Rewind/Reverse scanning
PLAY ▶ Playback
▶▷ Forward wind/ Forward scanning



Programming with 'VIDEOPlus+'

All the information required for a programming is encoded in the VIDEOPlus+ code.

1. Switch on the TV set.
2. Press the TIMER button on the remote control.
3. With the digit buttons 0-9, enter the VIDEOPlus+ code (up to 9 digits) printed in your TV guide next to the start time of a TV programme.
   If you make a mistake, clear with the CLEAR (CL) button.
4. If you want to programme at daily or weekly intervals, press the SELECT button until 'D-DAILY' (daily intervals) or 'W-WEEKLY' (weekly intervals) appears in the display. The 'daily intervals' function can only be used for recordings to be made from Mondays to Fridays inclusive.
5. Confirm the entries with the OK button . The resultant data appears on the TV screen.

Note: If you use VIDEOPlus+ for the first time for this TV channel, the line 'SELECT PROG' appears when you confirm the VIDEOPlus+ code. Instead of 'E2', select the programme number for this particular TV channel, using the digit buttons 0-9 and confirm with the OK button.
* Switch 'VPS' or 'PDC' (V/P) on or off with the SELECT button.
* If you wish to set a later end time for a recording, press the P+ button at step 5 . Each time you press the P+ button you will add 15 minutes to the end time.
* If e.g.: '20:00' flashes in the display, please set the clock.

6. Finally, press the OK button. Programming is now complete.
   The data has been stored in a TIMER block.
7. Make sure that a cassette without erase protection has been loaded. Switch to standby with the STANDBY button.
   A programmed recording will only function when the video recorder is **switched to standby** with the STANDBY button.

How to programme a recording manually

1. Switch on the TV set. Press the TIMER button **twice**.
2. Select a free TIMER block, using the P+ or the P− button. Press the TIMER button.

```
DATE PROG START V/P END
01    01  20:00    21:30




------------------------
NEXT   →TIMER CLEAR  →CL
-/+  0-9  D/W→SELECT  OK
```

3. With the TIMER the ▶ or the ◀ button you can select between the entries 'DATE' (date), 'PROG' (programme number), 'START' (start time) and 'END' (end time).
   You can enter or adjust data, using the P+ or the P− button or the digit buttons 0-9 . Confirm each entry with the TIMER button.
   You can switch 'VPS/PDC' ('V/P') on and off at step 'START' with the SELECT button.
   You can select between 'D' (daily intervals) or 'W' (weekly intervals) at step 'DATE' with the SELECT button.
4. Finally, press the OK button. Programming is now complete.
5. Make sure that a cassette without erase protection has been loaded. Switch to standby with the STANDBY button.
   A programmed recording will only function when the video recorder is **switched to standby** with the STANDBY button.

Note:
*** Clear a TIMER-block:** After step 1 , select the TIMER block you want to clear with the P+ or the P− button. Press the CLEAR (CL) button.
* If e.g.: '20:00' flashes in the display, the clock must be set.

OPERATING INSTRUCTIONS PHILIPS VR685

UK

Congratulations on the purchase of one of the most sophisticated and simple-to-use video recorders (VCR) on the market. With this VCR you can record and play VHS-standard cassettes.

Please take the time to read this operating manual before using your video recorder.

Safety instructions and other notes

- **Danger: High voltage!**
  Do not remove the top cover as there is a risk of an electrical shock!
- The video recorder does not contain any components that can be repaired by the customer. When the appliance is connected to the power supply there are some components that are constantly operational. To switch off the video recorder completely you must disconnect it from the power supply.
- Note that this power pack is designed for a power supply of 220-240V/50Hz.
- Ensure that air can circulate freely through the ventilation slots on the video recorder.
- Ensure that no objects or liquids enter the video recorder. If liquid is spilt into it, disconnect the video recorder immediately from the power supply and call the After-sales Service for advice.
- The video recorder should not be used immediately after transportation from a cold to a hot area or vice versa, or in conditions of extreme humidity.
  After unpacking the video recorder, it should be allowed to acclimatize for at least three hours before installation.
- These operating instructions have been printed on nonpolluting paper.
- Deposit old batteries at the relevant collection points.
- Please make use of the facilities available in your country for disposing of the packaging of the video recorder in a way that helps to protect the environment.
- This electronic equipment contains many materials that can be recycled. Please inquire about the possibilities for recycling your old set.
- VIDEOPlus+ and PlusCode are trademarks of Gemstar Development Corporation. The VIDEOPlus+ system is manufactured under licence from Gemstar Development Corporation.

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1. INSTALLATION

Important for the United Kingdom

This apparatus is fitted with an approved moulded 13 Amp plug. To change a fuse in this type of plug proceed as follows:

1. Remove fuse cover and fuse.
2. Fix new fuse which should be a BS1362 3A, A.S.T.A. or BSI approved type.
3. Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.
If the mains plug contains a fuse, this should have a value of 3A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5A.

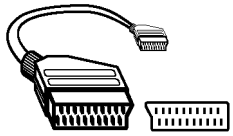
Note: * The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13A socket elsewhere.

How to connect a plug:
The wires in the mains lead are coloured in accordance with the following code:
BLUE - 'NEUTRAL' ('N')
BROWN - 'LIVE' ('L')

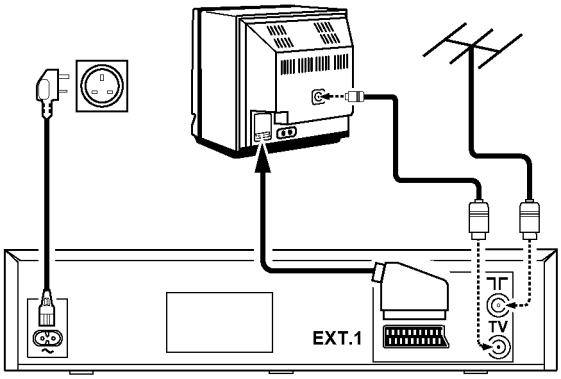
1. The BLUE wire must be connected to the terminal which is marked with the letter 'N' or coloured BLACK.
2. The BROWN wire must be connected to the terminal which is marked with the letter 'L' or coloured RED.
3. Do not connect either wires to the earth terminal in the plug which is marked with the letter 'E' or by the safety earth symbol ⏚ or coloured green or green-and-yellow.

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the two wires.

Connecting VCR with scart cable

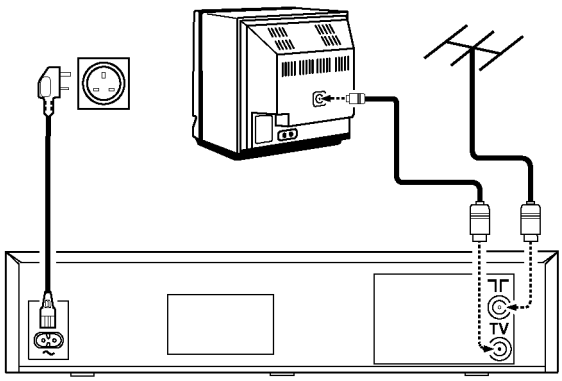


If your television **does not have a scart (AV-Euro) socket,** please **do not read further here**, but turn to the next paragraph 'Connecting VCR without scart cable'.



1. Remove the aerial cable plug from your TV set and insert it into the socket at the back of the video recorder.
2. Plug one end of the aerial cable provided into the socket on the video recorder and the other end into the aerial input socket on your TV set.
3. Insert the plug of a scart cable into the scart socket EXT.1 at the back of your video recorder. Connect the other plug to the TV set.
4. Insert the female plug of the mains cable into the mains socket at the back of the video recorder.
5. Plug the other end of the mains cable into the wall socket.

Connecting VCR without scart cable



1. Remove the aerial cable plug from your TV set and insert it into the [ ] socket at the back of the video recorder.

2. Plug one end of the aerial cable provided into the [TV] socket on the video recorder and the other end into the aerial input socket on your TV set.

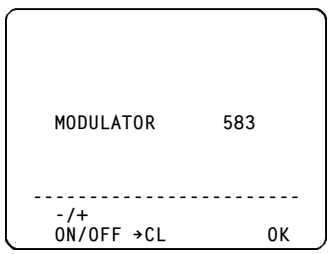
3. Insert the female plug of the mains cable into the mains socket [~] at the back of the video recorder.

4. Plug the other end of the mains cable into the wall socket.

5. Switch on your TV set and select the programme number that you have chosen for video playback (see operating manual for your TV set).

6. Ensure that **no** cassette has been loaded. With the video recorder **switched to standby**, hold the [SYSTEM] button for a few seconds until a modulator frequency e.g.: 'M583'(583MHz or UHF-channel 35) appears in the display. The video recorder transmits a test picture on this UHF-channel.

7. Tune in the TV set in the UHF wave band until this picture appears.



8. Switch the video recorder to standby with the [STANDBY ⏻] button.

Note: This modulator frequency (583MHz or UHF-channel 35) might already be being used by another TV station in your reception area, e.g. 'Channel 5'. In this case the picture quality on your TV set will be poor when receiving one or more TV channels.
* **Adjusting the modulator frequency:** If the picture quality only deteriorates when the video recorder is switched on, adjust the modulator frequency. The frequency can be adjusted at step 6 with the [P−] or the [P+] button. Confirm the adjusted frequency with the [OK] button.
***Automatic adjustment of modulator frequency**: If you press the [▶▷] button in step 6 , the next optimal modulator frequency will be selected automatically. Confirm the frequency displayed with the [OK] button.
* **Switching off the modulator:** If you cannot eliminate picture or sound interference using the above method you can switch off the built-in modulator. You should only do this if you have connected the video recorder to the TV set with a scart cable. 'Connecting VCR without scart cable' is not possible when the modulator is switched off.
At step 6 , press the [CLEAR (CL)] button for several seconds until 'MOFF' (modulator switched off) appears in the display. You can switch back again in the same way.

Important notes for operation

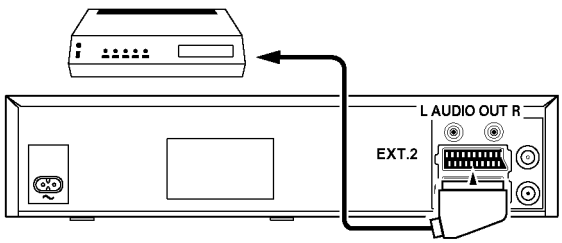
- Many televisions **automatically** switch to programme number 'EXT' (**EXT**ernal) or 'AV' (**A**udio/**V**ideo) when a video cassette is played back.
  If the television does not switch automatically, select programme number e.g.: 'EXT', '0', or 'AV' on the TV set manually.
- Keep your video recorder connected to the mains at all times to ensure that programmed recordings can be made and that the television functions normally. The power consumption required will only be approximately 6 W (save energy mode).
- The video recorder switches on automatically as soon as you insert a cassette or press the [P+] button.
- If the video recorder is not used for a few minutes, it switches to standby automatically (except in tuner-mode).
- If the video recorder is disconnected from the mains, TV channel information will be stored for about 1 year and clock and Timer information will be stored for about 7 hours.

Saving energy

You can choose between two methods of switching to standby.
Normal method: Switch to standby using the STANDBY ⏻ button. The clock time remains displayed. If the clock has not been set, '--:--' appears in the display.
To save energy: Press the STANDBY ⏻ button twice.
The clock time disappears from the display.

Connecting additional equipment

You can also connect additional equipment to the EXT.2 socket. For instance: satellite receiver, decoder or camcorder.
You can connect a HIFI-stereo set to the sockets AUDIO OUT L (left channel) and AUDIO OUT R (right channel).

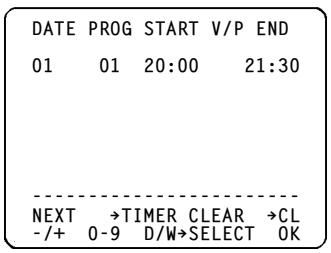


Emergency interrupt

Both the video recorder and the remote control have an 'Emergency interrupt' button. You can use the STANDBY ⏻ button to interrupt any function.
Whenever you have operating problems you can simply interrupt the function and start again.
You can practise operating your set without any worries.
No matter which buttons you press, you cannot damage it.

User guide

With OSD (On Screen Display) the corresponding functions appear on the TV screen. The most important button-functions are displayed at the bottom of the screen. For instance:



Throughout this instruction manual, use the following buttons for these functions: 'Select', 'Enter'/'Adjust', 'Confirm'.

Select: Use the P− or the P+ button.

Enter/Adjust: Use the P− or the P+ button, or the 0-9 buttons.

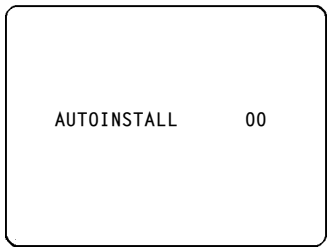
Confirm: Use the OK button.

Autoinstall

The video recorder will search for all TV channels. It stores TV channels found in the following sequence: BBC 1, BBC 2, ITV, CH 4, CH 5, SKY, others.

1. Switch on the TV set. Press the AUTOINSTALL button on the video recorder. If TV channels have already been stored, select the line 'AUTOINSTALL', using the P+ or P− button.

2. Confirm with the OK button.
   'AUTOINSTALL' starts. On the TV screen appears:



   Wait until all TV channels have been found. This can take several minutes.

3. When 'AUTOINSTALL' is complete, 'READY' will appear in the display. Date and clock information have been set.

How to search for a TV channel manually, you can read in chapter 4 'SPECIAL FEATURES', 'Manual channel search'.

Note:
With the OK button you can interrupt the automatic channel search. All TV channels found will remain stored.
* If a TV channel transmits a 'TV channel identification' (e.g. 'BBC1'), it appears in the display.

Setting the clock

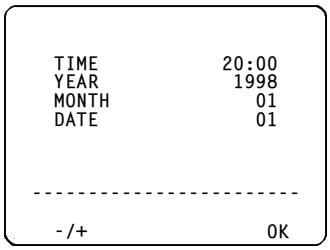
If the time in the video recorder display is not correct or if '--:--' appears in the display, please set the clock manually.

1. Switch on the TV set.

2. Press the AUTOINSTALL button on the video recorder.

3. Confirm the line 'CLOCK' with the OK button.

4. Adjust 'TIME', 'YEAR', 'MONTH', 'DATE' if required, using the P+ or P− button or the digit buttons 0-9.



5. Confirm each entry with the OK button.

Note: If a TV channel which transmits TXT/PDC is stored with programme number 'P 01', time (from TXT) and date (from PDC) will automatically be taken from the TXT/PDC information.

Automatic Channel Allocation FOLLOW TV

With this function the video recorder maintains the same programme sequence as on the TV set. This only functions if the video recorder (socket EXT.1) and the TV set are **connected with a scart cable**. Additional equipement connected to socket EXT.2 must be **switched off**.

1. Switch on the TV set.
2. Select programme number '1' **on the TV set** .
3. Press the AUTOINSTALL button on your video recorder.
4. Select 'F TV' (FOLLOW TV) in the display, or 'FOLLOW TV' on the TV screen, using the P+ or P− button.
   Confirm with the OK button.
   If the video recorder recognizes that the TV set has been connected with a scart cable, 'TV01' appears in the display.
5. Confirm with the OK button on the video recorder-remote control. The video recorder compares the TV channels on the TV set and the video recorder.
   If the video recorder found the same TV channel as the TV set, then it stores it at 'P 01'.
6. Wait until e.g.: 'TV02' appears in the display.
7. Select, **on the TV set** , the next programme number, e.g.: '2'.
8. Confirm with the OK button on the video recorder-remote control.
9. Repeat steps 6 to 8 until all TV channels have been allocated.
   To finish, press the STANDBY ⏻ button.

Note: When 'NOTV' (no signal from TV set) appears in the display, the TV channels can not be allocated automatically. Then read further in the next paragraph: 'Manual channel number allocation'.
* If you allocated the wrong TV channel at step 5 or 8 you can go back one step with the CLEAR (CL) button.

Manual Channel Number Allocation

You can give any desired programme number to the TV channels stored.

1. Switch on the TV set. Press the AUTOINSTALL button on the video recorder.
2. Select 'CHANNEL ALLOCATION' with the P+ or P− button.
   Confirm with the OK button.
3. Use the P− or P+ button to select the TV channel on the TV screen to which you wish to give a programme number (starting with 'P 01').
4. Confirm this allocation with the OK button.
   If you wish to allocate further programme numbers, repeat step 3 and step 4 until you gave a programme number to all the required TV channels.
5. To end, press the STANDBY ⏻ button.

Note: If you want to delete an **unwanted** TV channel, press the CLEAR (CL) button at step 3 .
* **Monitor function:** You can switch to and fro between TV reception and video recorder reception with the MONITOR button. This only functions when you used a scart cable to connect the video recorder to your TV set and if your TV set responds to this switch-over.

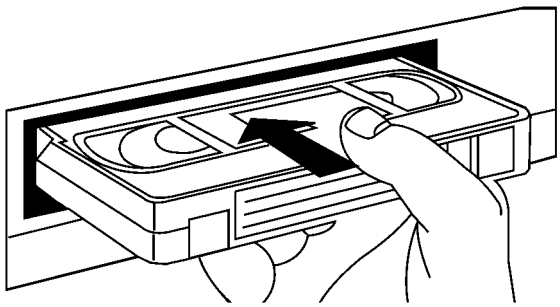
Allocating a decoder

With this function, the connected decoder will automatically be activated for the TV programme required.

1. On the video recorder, select the TV programme you wish to link with the decoder function, using the [P+] or [P−] button or the digit buttons [0-9].
2. Press the [AUTOINSTALL] button on the video recorder.
3. Select 'MANUAL SEARCH' with the [P+] or [P−] button.
4. Confirm with the [OK] button.
5. Press the [INDEX ▶I] button. In the display appears: 'DEC'
6. Confirm with the [OK] button.
7. To end, press the [OK] and the [STANDBY ⏻] button.

2. PLAYBACK FUNCTIONS

1. Insert the cassette into the cassette slot. appears in the display.



2. **Playback:** Press the playback button [PLAY ►].

3. **Picture scanning:** Press the [◁◀] (reverse) or [▶▷] (forward) button once or several times. You have a choice of several picture scanning speeds.

4. **Interrupt:** Press the [STOP ■] button.

5. **Wind and rewind:** Interrupt the playback function with the [STOP ■] button and press the [◁◀] (rewind) or [▶▷] (wind) button. In the display appears:

If, during wind/rewind, you want to have a quick access to picture scanning, use the 'Instant View' function.

6. **Instant View:** If you hold the [◁◀] (rewind) or [▶▷] (wind) button during wind or rewind, you will switch to picture scanning. If you release the button, the video recorder will automatically switch back to rewind or wind again.

7. **Eject a cassette:** Interrupt the playback function with the [STOP ■] button and press the [STOP/EJECT ■/▲] button on the video recorder.

Notes: Some functions switch off automatically after a while (e.g.: pause, still picture, picture scanning). This helps to protect the cassette and prevent unnecessary power consumption.
* The picture quality will deteriorate during picture scanning. The sound is turned off.
* With this video recorder you can playback cassettes that have been recorded on other video recorders in the NTSC standard. This only works for PAL-television sets which are suitable for a picture frequency of 60 Hz.
During NTSC-playback some special features
(e.g. still picture) are not possible.

Still picture/Slow motion

1. Press the [STILL ▶|◀] button. A still picture appears on the screen.

2. Each time you press [STILL ▶|◀] again the picture will move on one step.

3. Hold the [STILL ▶|◀] button. The picture will be played in slow motion.

4. Press the [▶▷] button several times. You have a choice of several playback speeds. When you press the [◁◀] button several times you will return to the still picture.
There is no sound during slow motion playback.

Note: If the still picture vibrates vertically, hold the [P −] or the [P +] button at step 1 until the vibration is minimal. This setting will be stored automatically.
Please note, however, that interference may still occur with poor quality cassettes.

Tape position/Index search

Tape position: The elapsed playback time, given to the hour and minute, appears in the display.
When you load a cassette, the video recorder must first calculate the playing time. Therefore, '-:--' appears first and only after the tape has been running for a few seconds the playing time will be shown.
The playback time displayed can be incorrect when using camcorder cassettes or with cassettes made for NTSC-VHS equipment.

Index search: At the beginning of each recording, the video recorder marks the tape with a code mark. You can search for these code marks on the tape. Once the video recorder finds the code mark or a blank space, it will automatically switch to playback.

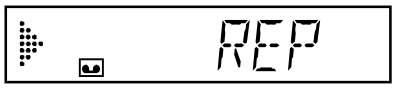
1. To select the next or the previous code mark, press the INDEX▶I button and then press the ▶▷ or the ◁◀ button.

Note: You cannot use the function 'Index search' with recordings made on another video recorder that does not have this code mark function.

Continuous playback

You can continuously repeat the replay of a cassette. When the end of the tape has been reached, it rewinds and begins again.

1. Press the PLAY► button.
2. Whilst holding down the MONITOR button on the remote control, press the PLAY► button on the video recorder. In the display appears:



3. If you want to cancel the function, repeat step 2 .

Note: No other button will react during continuous playback. After a power failure, playback will automatically start again.

Eliminating picture interference/ Cleaning function

1. During playback, hold the P+ button until 'TRAC'(tracking) appears in the display.

2. Hold the P+ or P− button until the playback quality is at its best.

3. Wait a few seconds, until 'TRAC' disappears from the display. This setting will remain until you remove the cassette.

4. If horizontal lines still appear on the screen, use the Cleaning function:

Cleaning function: During playback, hold the PLAY► button until 'HEAD' (video head cleaning) appears in the display. The video heads are being cleaned. The video recorder automatically switches back to playback.

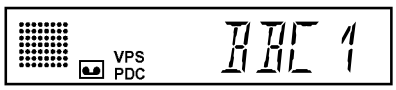
Note: Some hired cassettes may have a poor picture/sound quality. This is not a fault in your video recorder.

3. RECORDING FUNCTIONS

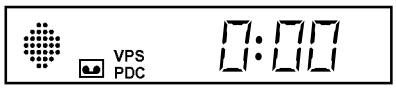
UK

1. Insert a cassette into the video recorder or switch the video recorder on with the [P+] button.

2. Use the [P−] or [P+] button or the [0-9] buttons to select the programme number from which you wish to record, e.g. 'P 01'. In the display appears:



3. Press the [RECORD ●] button. In the display appears:



4. To stop recording, press the [STOP ■] button.

Long play function

You can reduce the recording speed by half. This makes it possible to record, for example, 8 hours instead of 4 hours on an 'E240' cassette.

Before recording, with the video recorder switched on, select the 'LP' (=**L**ong**P**lay) recording speed by pressing the [SP/LP] button. 'LP' will appear in the display.

Note: During picture scanning, still picture and slow motion colour playback may be poor.
* You will obtain the best picture quality when recording at standard speed ('SP').

Some general notes for recording

- **Recording from external sources:** Programme numbers 'E1' and 'E2' are provided for recording from external sources (via the [EXT.1] or [EXT.2] scart socket).

- **Recording from external sources:** Programme number 'E3' is provided for recording from external sources (via the sockets [VIDEO], [AUDIO L/R]).

- **OTR - recording:** If you do not want to record to the end of the cassette, press the [RECORD ●] button again. The display shows at what time the recording will stop. With each subsequent press of the [RECORD ●] button you can add 30 minutes to this time.
  You can return to the normal recording status by pressing the [CLEAR (CL)] button.

- **Stereo reception:** This video recorder can record stereo transmissions. The playback of HiFi recordings has HiFi quality.

- **Erase protection:** So that you don't accidentally delete an important recording, you can remove the special tab (erase protection) on the narrow side of the cassette with a screwdriver or slide the special tab to the left.
  Later, if you no longer want the cassette to be erase protected, you can seal the gap again with adhesive tape or slide the special tab to the right.

- **Auto-assembling:** You can use the auto-assembling function to join individual recordings without any major picture disturbance between the recordings. During playback, search for the correct position on the tape and then press the [STOP ■] button. **II** will appear in the display.
  Now you can start recording as usual by pressing the [RECORD ●] button.
  During Stop ■ or Pause **II** you can switch between the display for TV channel identification and tape position, using the [OK] button.

Direct Record

Do you want to record a television transmission which you are just viewing?
Press the RECORD ● button with the video recorder **switched to standby**. The video recorder takes the channel number which is currently selected on the television and starts recording. For 'Direct Record' to function, it must be switched on and the video recorder and the television must be connected with a scart cable.

1. Press the AUTOINSTALL button.

2. Select 'DIRECT RECORD' with the P+ or P− button and confirm with the OK button.

3. Select 'ON' with the P+ button and confirm with the OK button.
   After the confirmation the video recorder switches to standby automatically.

Note:
* Not all external equipment is suitable for using the 'Direct Record'-function (e.g. some satellite receivers, decoders).
* Don't select another programme number on your television set, until 'OK' appears in the display of your video recorder. This can take up to one minute.

How to programme a recording

The video recorder needs the following information for every programmed recording:

* the date on which the recording is to be made
* the programme number for the TV programme
* the start and stop time of the recording
* 'PDC' or 'VPS' on or off

The video recorder stores all the information mentioned above in a TIMER block. You can programme up to 6 TIMER blocks, one month in advance.

With **'PDC'** (Programme Delivery Control) or **'VPS'** (Video Programming System), the TV station controls the beginning and the length of the programmed recording. This means that the video recorder switches itself on and off at the **right time** even if a TV programme you have programmed begins earlier or finishes later than expected.
Usually the start time is the **same** as the PDC or VPS time.
If, however, a different PDC or VPS time is given, e.g.: '20.15 (PDC or VPS 20.14)', you have to enter '20.14' as the start time **exactly to the minute**.
If you want to enter a time that differs from the PDC or VPS time, you have to switch off 'PDC' or 'VPS'.

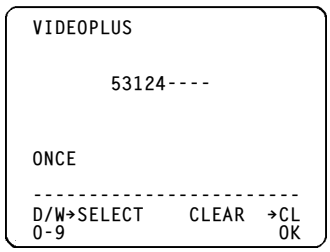
Programming with 'VIDEOPlus+'

All the information required for a programming is encoded in the VIDEOPlus+ code.

1. Switch on the TV set.

2. Press the TIMER button on the remote control.

3. With the digit buttons 0-9, enter the VIDEOPlus+ code (up to 9 digits) printed in your TV guide next to the start time of a TV programme.
   If you make a mistake, clear with the CLEAR (CL) button.



4. If you want to programme at daily or weekly intervals, press the SELECT button until 'D-DAILY' (daily intervals) or 'W-WEEKLY' (weekly intervals) appears on the TV screen.
   The 'daily intervals' function can only be used for recordings to be made from Mondays to Fridays inclusive.

5. Confirm the entries with the OK button. The resultant data appears on the TV screen.

Note: If you use VIDEOPlus+ for the first time for this TV channel, the line 'SELECT PROG' appears when you confirm the VIDEOPlus+ code. Instead of 'E2', select the programme number for this particular TV channel, using the digit buttons 0-9. Confirm with the OK button.
* Switch 'PDC' or 'VPS' (V/P) on or off with the SELECT button.
* If you wish to set a later end time for a recording, press the P+ button at step 5. Each time you press the P+ button you will add 15 minutes to the end time.
* If e.g.: '20:00' flashes in the display, please set the clock.

6. Finally, press the OK button. Programming is now complete.
   The data has been stored in a TIMER block.

7. Make sure that a cassette without erase protection has been loaded. Switch to standby with the STANDBY button.
   A programmed recording will only function when the video recorder is **switched to standby** with the STANDBY button.

Note:
* VIDEOPlus+ Aerial-code numbers: With this video recorder, VIDEOPlus+ aerial-code numbers will be allocated automatically.

Programming recordings manually

1. Switch on the TV set. Press the TIMER button **twice**.

2. With the P+ or P− button, select a free TIMER block. Press the TIMER button.

3. With the TIMER, the ▶ or the ◀ button you can select between the entries 'DATE' (date), 'PROG' (programme number), 'START' (start time) and 'END' (stop time).
   With the P+ or P− button or the digit buttons 0-9, you can enter or adjust data.
   You can switch 'VPS/PDC' (V/P) on and off at step 'START' with the SELECT button.
   You can select between 'D' (daily intervals) or 'W' (weekly intervals) at step 'DATE' with the SELECT button.

4. Finally, press the OK button. Programming is now complete.

5. Make sure that a cassette without erase protection has been loaded. Switch to standby with the STANDBY button.

Note:
* **Clear a TIMER block:** At step 1 select the TIMER block that you want to clear, using the P+ or P− button. Press the CLEAR (CL) button.
If e.g.: '20:00' flashes in the display, the clock must be set.

Important programming notes

- When recordings have been programmed, ⏲ appears in the display.
- The programmed recording will always be made at the recording speed (SP/LP) that **at the time** has been selected on the video recorder.
- You cannot operate the video recorder manually while a programmed recording is being made. If you want to interrupt the programmed recording, press the STANDBY ⏻ button.
- If the video recorder is switched on a few minutes before a programmed recording is due to take place, 'TIMER RECORD' will flash on the TV screen.
- If the end of the cassette is reached during a programmed recording, the video recorder automatically ejects the cassette.
- If you forget to load a cassette, after programming the recording, 'NO CASSETTE' will appear on the TV screen for a few seconds.
- If you insert a cassette with erase protection, after programming the recording, 'PROTECTED CASSETTE' will appear on the TV screen for a few seconds.
  The cassette will then be ejected.
- When, after pressing the TIMER ⏲ button 'TIMER FULL' appears on the TV screen, all TIMER blocks have been programmed. Then, with the P+ or P− button, select the TIMER block you want to adjust or clear.
- If 'CODE ERROR' appears on the TV screen, the VIDEOPlus+ code was incorrect or the date was incorrectly entered. Repeat the entry or end with the STANDBY ⏻ button.
  With programming at daily intervals, the first recording must take place within a week.
- If 'DAILY ERROR' appears on the TV screen, the date was incorrectly entered. Programming at daily intervals can only be used for recordings to be made from Mondays to Fridays inclusive.
- Programme numbers 'E1' and 'E2' are provided for programmed recordings from external sources (via the EXT.1 or EXT.2 scart socket).

4. SPECIAL FEATURES

UK

Tuner mode

You can also use your video recorder as a TV receiver (tuner).

1. Hold the [STOP■] button, until [ ] appears in the display.
2. Select the required programme number with the [P−] or [P+] button or with the [0-9] buttons.
3. Switch the video recorder to standby by pressing the [STANDBY ⏻] button when you no longer want to watch television.

Sound track selection

You can select the required sound track during tuner-mode, stop or playback. This is of particular interest when the audio transmissions are multilingual.

1. Press the [SELECT] button. The current setting will appear in the display.
2. By pressing the [SELECT] button several times you can select from the four possibilities displayed ('STEREO', 'RIGHT', 'LEFT', 'MONO').

Note: During playback you can select a fifth possibility: the 'MIXED' mode. In this mode you can playback the mono sound of the normal (linear) audio track together with the sound of the stereo audio track. This can be used for playing back a recording dubbed on another video recorder.
* If there is no stereo sound recorded on the cassette, the video recorder automatically switches over to mono sound.

Externally controlled recording

Do you have another device, e.g. a satellite receiver, which can control other equipment by a 'programming' function? You can connect this device to the video recorder with a scart cable, at socket [EXT.2].

1. Insert a cassette. Switch to standby with the [STANDBY ⏻] button.
2. Hold the [MONITOR] button until 'REC.P' appears in the display.
3. If you want to interrupt this function **before** the recording has actually started, hold the [MONITOR] button until 'REC.P' disappears from the video recorder display.
4. If you want to interrupt this function **while** a recording is being made, press the [STANDBY ⏻] button.

Remote control of TV sets

Your remote control can operate with a number of remote control codes for TV sets of different makes. Using the appropriate **code number** and the **TV** button set, you can activate the following functions:

- [◿+] TV volume plus
- [◿−] TV volume minus
- [TV🔇] Switch off sound
- [TV ⏻] Switch off
- [TV+] Up/Plus, programme number
- [TV−] Down/Minus, programme number

1. Hold down the [TV ⏻] button and enter the appropriate remote control code with the digit buttons [0-9].
   You will find a list of all available remote control codes on the last page of this manual.

Note: If the selected code does not operate with your TV set, or if the TV make is not contained in the list, you can try out the codes one after the other.

Child lock

1. With the video recorder switched on, press the CHILD LOCK button on the remote control **for a few seconds** until appears in the video recorder display. Keep the remote control in a safe place.

2. When you want to switch off the child lock, press the CHILD LOCK button again **for a few seconds**. disappears from the video recorder display.

Note: If a button is pressed with activated child lock, flashes in the display for a few seconds.
* Programmed recordings are made despite the child lock and cannot be interrupted.

On Screen Display (OSD)

You can switch the On Screen Display (OSD) on or off.

1. Switch on the TV set. Press the AUTOINSTALL button on the video recorder.

2. With the P+ or P− button, select 'OSD'. Confirm with the OK button.

3. With the P+ button, select 'ON' or 'OFF'. Confirm with the OK button.

Note: With the OK button you can superimpose the actual operating mode on the TV screen.

Channel number or frequency display

You can switch between the display for 'channel number' or 'frequency' for manual channel search.

1. Press the AUTOINSTALL button.

2. With the P+ or P− button, select 'CHANNEL/FREQUENCY'. Confirm with the OK button.

3. With the P+ button. select 'CHANNEL' or 'FREQUENCY'. Confirm with the OK button.

Manual channel search

In certain cases the 'Automatic channel search' may not be able to find all of the TV channels (e.g. coded TV channels). In that case, use this manual method to set the TV channels.

1. Switch on the TV set. Press the AUTOINSTALL button on the video recorder.

2. With the P+ ot P− button, select 'MANUAL SEARCH'. Confirm with the OK button.

3. Hold the P+ button until you have found the right TV channel. A changing channel number or frequency will appear on the TV screen.

4. Confirm with the OK button.

5. With the P+ or P− button or the digit buttons 0-9, select the programme number that you wish to give to this TV channel (e.g.: 'P 01').

6. Confirm with the OK button.
   If you want to allocate more TV channels, repeat steps 3 to 6 until all TV channels have been stored.

7. To end, press the STANDBY button.

Note: Channel number or frequency can also be entered directly at step 3 , using the 0-9 buttons.
* To enter a special/hyperband channel, first enter the channel digit '9'. The indication changes from 'CH' to 'CA'. For example, for special channel 'S 30', enter '9 30'.
* **Allocating a decoder:** If you want to allocate a decoder, press the INDEX ▶I button at step 3 until 'DEC' appears in the display.
* This video recorder can receive HIFI sound transmissions in 'NICAM'. At step 3 , you can switch 'NICAM' off or on with the SELECT button.

Before you call an engineer

If, contrary to expectation, you experience any difficulty in operating this video recorder, it may be caused by one of the reasons mentioned below. You can also call the **customer service** in your country.
You will find the telephone numbers in the enclosed guarantee leaflet.

The set does not respond to any button being pressed:
- No power supply.
- A programmed recording is currently being made.
- Child lock is active.
- Technical disturbance: disconnect from the mains for 30 seconds, then re-connect. If this does not have any effect, you can:
  1. Disconnect from mains.
  2. Re-connect to mains **whilst holding down** the STANDBY ⏻ button on the video recorder. All stored data will be reset (cleared).

Cassette jammed:
- Don't use force. Pull out the mains plug for a moment.

Remote control does not operate:
- Remote control not pointed toward the video recorder.
- Batteries are exhausted.

No playback from video recorder:
- No recording on the cassette.
- The VCR programme number on the TV set was incorrectly selected or incorrectly set.
- The connecting cable between the TV set and the video recorder has come loose.

Poor playback from video recorder:
- TV set not properly adjusted.
- Cassette badly worn or of poor quality.
- Read the section about 'How to eliminate picture disturbance' in chapter 'PLAYBACK FUNCTIONS'.

No recording possible:
- TV channel not stored or wrongly selected.
- Cassette with erase protection has been loaded.

Programmed recording does not function:
- TIMER not set properly.
- Time/date wrongly programmed.
- A cassette with erase protection has been loaded.
- 'PDC' or 'VPS' switched on but 'PDC/VPS time' wrong. Check aerial.

Picture or sound interference on TV reception e.g. when tuned to 'CH5':
- Turn to Chapter 1 'INSTALLATION' and read in the section 'Connecting VCR without scart cable' the note 'Adjusting the modulator frequency' , 'Automatic adjustment of modulator frequency' as well as the note 'Switching off the modulator'.
- Have your aerial checked.

Enter the serial number of your appliance here:

MODEL NO./TYPE VR685

PROD.NO.:/SER.NR. . . . . .

This product complies with the requirements of the Directive 73/23/EEC + 89/336/EEC + 93/68/EEC.

Interference

The Department of Trade and Industry operates a Radio Investigation Service to help TV licence holders improve reception of BBC and ITC programmes where these are being spoilt by interference.
If your dealer cannot help, ask at a Main Post Office for the booklet 'How to Improve Television and Radio Reception'.

Remote codes

UK

Acura	02
Adyson	20
Akai	18, 33
Akura	21, 25
Alba	02, 07, 21
Allorgan	28
Amplivision	20
Amstrad	02
Anitech	02
Arcam	19, 20
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Kingsley	19
Koyoda	02
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Metz	34
Mitsubishi	07, 14, 16
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Multitech	02, 12, 19
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Nikkai	05, 06, 10, 19, 21, 25
Nobliko	12
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Nordmende	15
Oceanic	33
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Oso	21
Osume	05, 10
Otake	29
Otto Versand	01, 03, 07, 20, 30
Palladium	35, 38
Panama	20, 25
Panasonic	24, 34
Pathe Cinema	19, 30
Pausa	02
Perdio	30
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Pioneer	15
Profex	02, 33
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Protech	02, 12, 20, 23, 25, 38
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Videotechnic	20
Visa	02
Vision	30
Waltham	20
Watson	30
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Wega	07
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Yoko	20, 25

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